

**IN THE CLAIMS**

1. (Currently Amended) A flat panel for a cathode ray tube comprising:  
an outer surface having a flat configuration; and  
an inner surface having a non-spherical, convexly curved configuration relative to the outer surface and satisfying formula 1,

$$Y_1 \leq Y_2 \dots \dots \dots (\text{formula 1})$$

wherein  $Y_1$  represents a vertical distance between the outer surface and a refracted screen image on a central axis of the panel, and  $Y_2$  represents a vertical distance between the outer surface and the refracted screen image in peripheral areas other than the central axis of the panel, and

wherein the panel is formed of a transparent glass having a transmission ratio of 60% or more.

2. (Canceled) A flat panel for a cathode ray tube as claimed in claim 1, wherein the panel has a high transmission ratio equal to or greater than about 60%.

3. (Currently Amended) In a cathode ray tube comprising a funnel having a neck part and an opening part, an electron gun provided at a front end portion of the neck part in the funnel for emitting electron beams, a deflection yoke for deflecting the electron beams emitted from the electron gun, a shadow mask for discriminating the electron beams deflected by the deflection yoke, and a panel coupled in the opening part of the funnel and provided with a phosphor surface inside for realizing a screen image by the electron beams discriminated by the shadow mask, the panel comprising:

an outer surface having a flat configuration; and

an inner surface having a non-spherical, convexly curved configuration relative to the outer surface and satisfying formula 1,

$$Y_1 \leq Y_2 \dots \dots \dots (\text{formula 1})$$

wherein  $Y_1$  represents a vertical distance between the outer surface and a refracted screen image on a central axis of the panel, and  $Y_2$  represents a vertical distance between the

outer surface and the refracted screen image in peripheral areas other than the central axis of the panel, and

wherein the panel is formed of a transparent glass having a transmission ratio of 60% or more.

4. (Canceled) A flat panel for a cathode ray tube as claimed in claim 3, wherein the panel has a high transmission ratio equal to or greater than about 60%.